

Serial No. 10/046,607

RD-25,993-7

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-3. (Canceled)

4. (Currently amended) A method of depositing a plurality of layers on an ~~an~~ article ~~a substrate~~, the method comprising steps of:

flowing a plasma gas in a plasma generation chamber in communication with a deposition chamber, the deposition chamber having a lower pressure than the plasma generation chamber, the article being disposed in the deposition chamber;

generating an arc in the plasma generation chamber to create a plasma, which flows into the deposition chamber;

injecting a first material comprising at least one of a polymerizable hydrocarbon and an organometallic-organosilicon material and a first oxidant into the plasma and reacting the first material to form an interlayer on the ~~article~~ substrate, the interlayer comprising a polymerized organosilicon material; and

injecting a second material comprising at least one of an elemental metal and an organometallic compound organosilicon material and a second oxidant into the plasma and reacting the second material to form a second layer comprising an inorganic ultraviolet absorbing material on the interlayer, the second material comprising a gaseous reagent, wherein the interlayer has a coefficient of thermal expansion that is between that of the substrate and the second layer.

5. (Currently amended) The method of claim 4, wherein the ~~first material or~~ the second material comprises an evaporated elemental metal.

Serial No. 10/046,607

RD-25,993-7

6. (Previously presented) The method of claim 4, further comprising the step of injecting a third material into the plasma to form a third layer and reacting the third material to form a third layer comprising an abrasion resistant material on the second layer.

7. (Currently amended) The method of claim 6, wherein the first material comprises a first organosilicon material, the second material comprises an evaporated elemental metal, and the third material comprises a ~~third~~ second organosilicon material, and the method further comprises the step of injecting a third oxidant with the third material.

8. (Original) The method of claim 7, wherein the first material comprises at least one of octamethylcyclotetrasiloxane, tetramethyldisiloxane, and hexamethyldisiloxane, the second material comprises zinc, and the third material comprises at least one of octamethylcyclotetrasiloxane, tetramethyldisiloxane, and hexamethyldisiloxane.

9-11. (Canceled)

12. (Original) 12. The method of claim 6, wherein the first material comprises a hydrocarbon.

13-16. (Canceled)

17. (Original) The method of claim 6, wherein the second material comprises an evaporated elemental metal.

18. (Original) The method of claim 17, wherein the second material comprises at least one of zinc and indium.

19. (Original) The method of claim 17, wherein the second material comprises zinc, and the method further comprises the step of injecting sulfur with the zinc.

20-51. (Canceled)

Serial No. 10/046,607

RD-25,993-7

52. (Currently amended) The method of claim 7, wherein the ~~article~~ substrate comprises a polycarbonate.

53. (Original) The method of claim 6, wherein the second layer comprises an ultraviolet absorbing material having an ultraviolet absorbance value of at least 1.0.

54. (Currently amended) The method of claim ~~6~~ 53, wherein the second layer comprises an ultraviolet absorbing material ~~having an and wherein the~~ ultraviolet absorbance value ~~of is~~ at least 2.0.

55. (Currently amended) The method of claim 53, wherein the ~~third layer~~ ~~comprises an~~ abrasion resistant material ~~having~~ has a delta haze value of at most 4.0 percent.

56. (Currently amended) The method of claim 54, wherein the ~~third layer~~ ~~comprises an~~ abrasion resistant material ~~having~~ has a delta haze value of at most 2.0 percent.

57. (Previously presented) The method of claim 4, wherein the substrate comprises glass.

58. (Original) The method of claim 6, wherein the second material comprises at least one of elemental zinc, elemental indium, and elemental aluminum.

59-61. (Canceled)